

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool Mesa Verde Formation Mesa Verde County RA
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed February 6, 1956
Operator Blackwood & Nichols Lease NE Mesa Verde Well No. 27-6
Unit A Sec. 8 Twp. 30N Rge. 7E Pay Zone: From _____ To _____
Casing: OD _____ WT. _____ Set At _____ Tubing: OD 2 WT. _____ T. Perf. 5325
Produced Through: Casing _____ Tubing 2 Gas Gravity: Measured 4.60 Estimated _____
Date of Flow Test: From 1/9/56 To 1/17/56 * Date S.I.P. Measured _____
Meter Run Size 4" Orifice Size _____ Type Chart 29 24 Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) _____ psig + 12 = _____ psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken):
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading () ² x spring constant _____ = _____ psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ = _____ psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading 7.80 20.00 psig + 12 = _____ psia (g)
Square root chart average reading () ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) 1112 _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through 70 _____ = _____ psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = ½ P_c = ½ (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

Q = 1318 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) =$ _____ MCF/da
(Integrated)

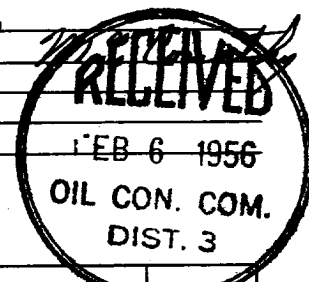
DELIVERABILITY CALCULATION

D = Q 1318 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n$ 1.071 = 1416 MCF/da.

SUMMARY

P_c = 1112 psia
Q = 1318 Mcf/day
P_w = 65 psia
P_d = 342 psia
D = 1416 Mcf/day

Company Amstar, Inc
By V. J. McCarthy
Title Agent
Witnessed by _____
Company _____



* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>24.61</u>	<u>.223</u>	<u>157.557</u>	<u>34.23</u>	<u>369.44</u>	<u>403.67</u>	<u>631.3</u>

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